
LABORATORY
OF THE
INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 308

PARIS GREEN.

CORRECTIONS.

Referring to Bulletin No. 296 (Foods and Medicines for Cattle) on page 13—the proteid value for Sample No. 2273 should be 7.10 per cent instead of 5.25 as printed.

The sample meets its guarantee.

A. MCGILL,
Chief Analyst.

Referring to Bulletin No. 290, page 29, Sample 54474, Coffee sold by Walsh Bros., Stratford.

The sample is reported as adulterated containing chicory and roasted grain. Upon re-examination the sample is found to contain less than two per cent (2 per cent) chicory and no roasted grain. The minute amount of chicory present may be regarded as accidental.

A corrected statement will appear in the next revision of Bulletin No. 290.

A. MCGILL,
Chief Analyst.

LABORATORY OF THE INLAND REVENUE DEPARTMENT OTTAWA, CANADA

BULLETIN No. 303

PARIS GREEN.

OTTAWA, Feb. 12, 1915.

J. U. VINCENT, Esq.,
Deputy Minister Inland Revenue.

SIR,—I have the honour to hand you a report dealing with twenty-four (24) samples of Paris Green purchased by our inspectors in October of last year.

Inspection was made in the districts of Toronto, Hamilton, Windsor, Rocky Mountains and Vancouver, consequent upon complaints received to the effect that an article of unsatisfactory character was being offered as Paris Green. It is pleasing to note that, so far as this report is concerned, such complaints have been without foundation.

Paris Green is defined in the 5th schedule to the Adulteration Act, as follows: "An insecticide containing at least fifty per centum of arsenious acid, and at least thirty per centum of cupric oxide and being completely soluble in aqueous ammonia." All samples analysed are found to meet legal requirements within such narrow limits as to make the article perfectly satisfactory.

Paris Green has been systematically examined on several occasions, since 1895, and the results may be summarized as below:

| Bull. | Year. | Samples Analysed. | Samples Genuine. | Samples Doubtful. | Samples Adulterated. | Percentage of Adulteration. |
|-------|-------|----------------------|---------------------|----------------------|-------------------------|--------------------------------|
| 40 | 1895 | 72 | 52 | 5 | 15 | 21.0 |
| 42 | 1895 | 174 | 155 | 3 | 16 | 9.0 |
| 88 | 1903 | 169 | 162 | 3 | 4 | 2.4 |
| 158 | 1908 | 150 | 149 | 0 | 1 | 0.7 |
| 303 | 1915 | 24 | 24 | 0 | 0 | 0.0 |

The showing is very gratifying, and justifies the inference that adulterated Paris Green is practically unknown on Canadian markets.

I beg to recommend publication of this report as Bulletin No. 303.

I have the honour to be, Sir,

Your obedient servant,

A. MCGILL,

Chief Analyst.

BULLETIN No. 303—PARIS GREEN.

| Date of Collection. | Nature of Sample. | Name and Address of Vendor. | Cost. | | No. of Sample. | Name and Address of Manufacturer or Furnisher, as given by the Vendor. | | Inspector's Report. (Is not an expression of opinion.) | Results of Analysis. | | No. of Sample. | Remarks and Opinion of the Chief Analyst. |
|---------------------|-------------------|-----------------------------|-----------|-------|----------------|--|------------|--|--|----------------|----------------|---|
| | | | Quantity. | Cent. | | Manufacturer. | Furnisher. | | Arsenic % As ₂ O ₃ . | Copper % Cu O. | | |

DISTRICT OF TORONTO—H. J. DAGER, INSPECTOR.

| | | | | | | | | | | | | | |
|-------|---|--------------|-------|-----------------------------------|-------|----|---------------------------------|---|--|-------|-------|-------|----------|
| 1914. | | | | | | | | | | | | | |
| Oct. | 1 | Paris Green. | 63131 | H. E. Eade, Aurora. | 1 lb. | 30 | The Canada Paint Co. | H. S. Howland, Sons & Co., Ltd., Toronto. | | 57.00 | 30.51 | 63131 | Genuine. |
| " | 1 | " | 63132 | J. A. W. Allan & Co., New Market. | 1 " | 25 | Wood, Vallance & Co., Hamilton. | | | 56.50 | 30.94 | 63132 | " |
| " | 2 | " | 63133 | A. M. Oldham, Weston. | 1 " | 22 | Sherwin-Williams Co., Montreal. | | | 56.50 | 30.15 | 63133 | " |
| " | 7 | " | 63134 | S. Mullet, Orillia. | 1 " | 25 | John Lucas, New York, U.S.A. | | | 57.45 | 30.15 | 63134 | " |
| " | 7 | " | 63135 | H. H. Otton, Barrie. | 1 " | 30 | Unknown | | | 55.62 | 30.62 | 63135 | " |

DISTRICT OF HAMILTON—H. J. DAGER, ACTING INSPECTOR.

| | | | | | | | | | | | | | |
|-----|----|--------------|-------|--|-----------|----|------------------------------|--|--|-------|-------|-------|----------|
| Oct | 19 | Paris Green. | 63174 | G. A. Richardson, Wyndham st., Guelph. | 123 1 lb. | 30 | Lewis Berger & Sons, London. | | | 55.87 | 29.94 | 63178 | Genuine. |
| " | 20 | " | 63179 | G. A. Elliot, 193 Colborne st., Brantford. | 1 " | 25 | Canada Paint Co., Toronto. | | | 56.25 | 30.06 | 63179 | " |
| " | 22 | " | 63180 | T. G. Scott, Dunnville. | 1 " | 25 | Unknown | | | 55.45 | 30.44 | 63180 | " |
| " | 23 | " | 63181 | J. H. Crow, Main st., Welland. | 1 " | 30 | | | | 54.48 | 30.34 | 63181 | " |
| " | 26 | " | 63182 | Moore's Hardware, 43 St. Paul st., St. Catharines. | 1 " | 30 | John Lucas Co., New York. | | | 55.45 | 29.31 | 63182 | " |

DISTRICT OF WINDSOR—JOHN TALBOT, INSPECTOR

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|-----|---|----------------|-------|------------------------------|--------|----|----------------------------------|-------------------------------|-------|-------|-------|-------|----------|
| Oct | 5 | Paris Green... | 63914 | W. H. Cuddy, Strathroy | 1 lb. | 30 | Canada Paint Co., Montreal | | | 55 50 | 30 51 | 63914 | Genuine. |
| " | 5 | " | 63918 | Parker & Sands, Strathroy | 1 " 30 |  | " | ..... | ..... | 56 25 | 29 75 | 63918 | " |
| " | 6 | " | 63926 | W. J. McAllister, Sarnia | 1 " 25 |  | ..... | Sanderson & Percy, Toronto | ..... | 59 40 | 29 46 | 63926 | " |
| " | 6 | " | 63929 | Clement Drug Co., Sarnia | 1 " 30 |  | ..... | Drug Trading Co., Toronto | ..... | 56 38 | 29 76 | 63929 | " |
| " | 6 | " | 63930 | Mackenzie, Milne Co., Sarnia | 1 " 30 | | Brandram Hender- son, Toronto | | | 56 64 | 30 15 | 63930 | " |

DISTRICT OF ROCKY MOUNTAINS—THOS. PARKER, INSPECTOR

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|-----|----|---------------|-------|------------------------------------|---------|----|---|-------|-------|-------|-------|-------|----------|
| Oct | 13 | Paris Green.. | 61676 | N. E. Suddaby, Fernie | 1 lb. | 25 | National Drug Co., Toronto | | | 56 18 | 29 56 | 61676 | Genuine. |
| " | 20 | " | 61687 | City Drug & Stationery Co., Nelson | 3 boxes | 60 | E. J. Barry, New York | ..... | ..... | 54 48 | 30 15 | 61687 | " |
| " | 20 | " | 61688 | Rutherford Drug Co., Nelson | 3 tins | 75 | Lewis Berger & Sons, London, Eng. | ..... | ..... | 54 50 | 30 31 | 61688 | " |
| " | 26 | " | 61700 | Poole Drug Co., Nelson | 3 pags | 75 | E. J. Barry, New York | | | 55 75 | 29 40 | 61700 | " |

DISTRICT OF VANCOUVER—E. J. MORGAN, INSPECTOR

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|-------|----|-------------|-------|--|---------|----|---|-------|-------|-------|-------|-------|----------|
| Sept. | 30 | Paris Green | 55081 | Drug Co. Ltd., Granville st., Van- couver | 1 lb. | 50 | Nat. Drug & Chem. Co., Vancouver | | | 56 38 | 29 82 | 55081 | Genuine. |
| " | 7 | " | 55089 | W. M. Harrison & Co., Ltd., cor. Robson and Granville st., Vancouver | 1 " 50 | | A. B. Anslacher & Co., New York | ..... | ..... | 56 18 | 30 06 | 55088 | " |
| " | 7 | " | 55091 | Frederick T. Hill, 628 Col- umbia st., New West- minster | 1 " 50 | | Adler Color & Chem. Works, New York | ..... | ..... | 55 00 | 29 40 | 55089 | " |
| " | 7 | " | 55090 | D. T. Curtis & Co., 659 Colum- bia st., New West- minster | 3 boxes | 75 | A. B. Anslacher & Co., New York | ..... | ..... | 56 00 | 30 25 | 55090 | " |
| " | 7 | " | 55091 | H. Ryall, 701 Columbia New Westminster | 1 lb. | 50 | Nat. Drug & Chem. Vancouver | ..... | ..... | 55 75 | 29 10 | 55091 | " |